

**EPOR Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20930c**

**Specification**

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**EPOR Antibody (C-term) - Product Information**

Application	<b>WB, FC,E</b>
Primary Accession	<a href="#">P19235</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>

**EPOR Antibody (C-term) - Additional Information**

**Gene ID** 2057

**Other Names**

Erythropoietin receptor, EPO-R, EPOR

**Target/Specificity**

This EPOR antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 470-504 amino acids from the C-terminal region of human EPOR.

**Dilution**

WB~~1:1000

FC~~1:25

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

EPOR Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**EPOR Antibody (C-term) - Protein Information**

**Name** EPOR

**Function** Receptor for erythropoietin. Mediates erythropoietin-induced erythroblast proliferation and differentiation. Upon EPO stimulation, EPOR dimerizes triggering the JAK2/STAT5 signaling cascade. In some cell types, can also activate STAT1 and STAT3. May also activate the LYN tyrosine kinase.

### Cellular Location

Cell membrane; Single-pass type I membrane protein

### Tissue Location

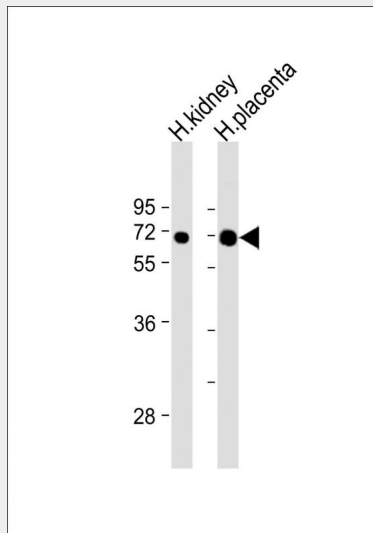
Erythroid cells and erythroid progenitor cells. Isoform EPOR-F is the most abundant form in EPO-dependent erythroleukemia cells and in late-stage erythroid progenitors. Isoform EPOR-S and isoform EPOR-T are the predominant forms in bone marrow Isoform EPOR-T is the most abundant from in early-stage erythroid progenitor cells

### EPOR Antibody (C-term) - Protocols

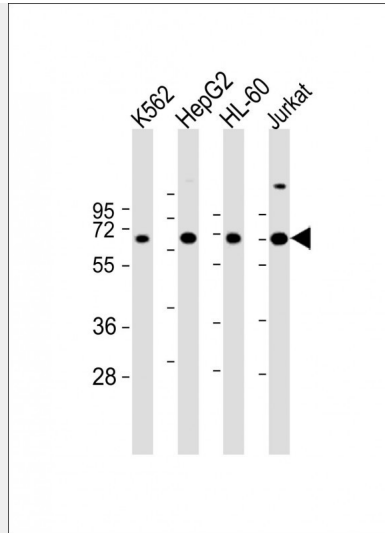
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

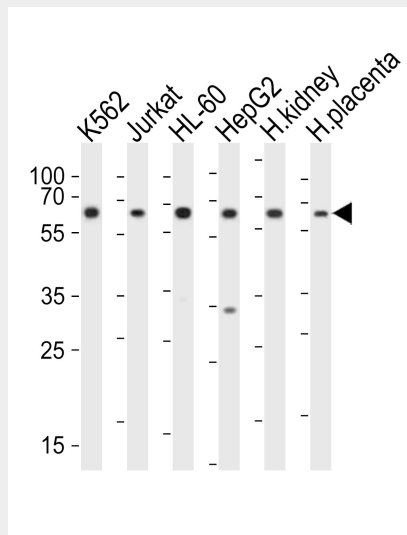
### EPOR Antibody (C-term) - Images



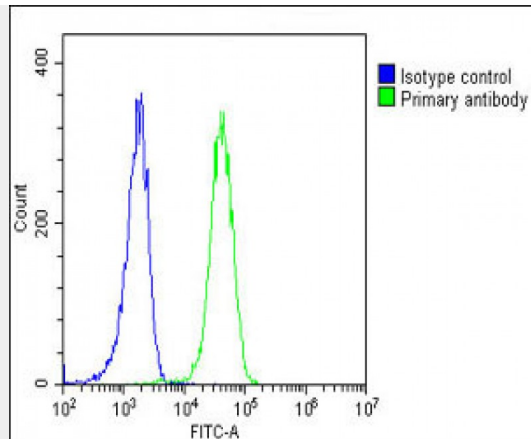
All lanes : Anti-EPOR Antibody (C-term) at 1:2000 dilution Lane 1: H. kidney whole lysate Lane 2: H. placenta whole lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 55 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



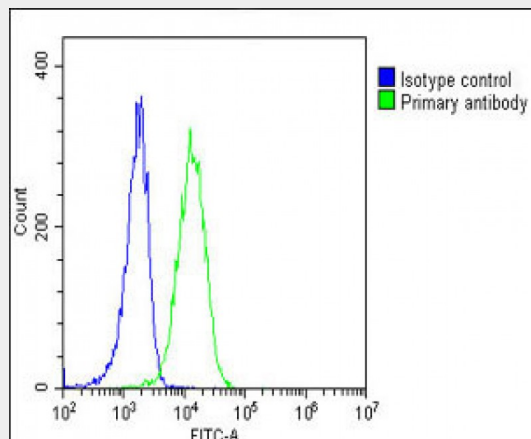
All lanes : Anti-EPOR Antibody (C-term) at 1:2000 dilution Lane 1: K562 whole cell lysate Lane 2: HepG2 whole cell lysate Lane 3: HL-60 whole cell lysate Lane 4: Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 55 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot analysis of lysates from K562, Jurkat, HL-60, HepG2 cell line, human kidney, human placenta tissue(from left to right), using EPOR Antibody (C-term)(Cat. #AP20930c). AP20930c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.



Overlay histogram showing K562 cells stained with AP20930C (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP20930C, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed (OH191631) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.



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### EPOR Antibody (C-term) - References

Winkelmann J.C., et al. Blood 76:24-30 (1990).  
 Jones S.S., et al. Blood 76:31-35 (1990).

Noguchi C.T., et al. Blood 78:2548-2556(1991).  
Ehrenman K., et al. Exp. Hematol. 19:973-977(1991).  
Nakamura Y., et al. Science 257:1138-1141(1992).